

Fiberglass Tape with PTFE Resin Impregnation, Non- Adhesive
FDA Food Contact Approved
500°F / 260°C: Tuff-Flex™ High Temperature & Chemical Resistant with Smooth
Non-Stick Surface - Premium Grade



- This tape is made by slitting our PTFE resin impregnated fiberglass fabric.
- Provides excellent chemical resistance and superior electrical insulation. Used as a low friction release tape for heat sealing bars and other packaging applications.
- Used on various machinery parts to provide a smooth stick-free surface such as on production line runners and guides for easy product and parts conveyance.
- Used as an electrical tape for high insulation and high temperature performance.
- Premium Grade is an exceptionally smooth surface with a higher PTFE content than Industrial Grade.
- Temperature range: -100°F to +500°F (-73°C to +260°C).
- Silicone or Acrylic Adhesive.

Tuff-Flex™ High Temperature, Heat & Chemical Resistant Fiberglass Tape with PTFE Resin Impregnation: Premium Grade		
Part Number	Width in / mm	
	T-FG-PTRI-FDA-P-M013-08-X	.5
T-FG-PTRI-FDA-P-M019-12-X	.75	19
T-FG-PTRI-FDA-P-M025-16-X	1.0	25
T-FG-PTRI-FDA-P-M032-20-X	1.25	32
T-FG-PTRI-FDA-P-M038-24-X	1.5	38
T-FG-PTRI-FDA-P-M051-32-X	2.0	51
T-FG-PTRI-FDA-P-M064-40-X	2.5	64
T-FG-PTRI-FDA-P-M076-48-X	3.0	76

Custom slitting available up to a maximum of 36 inches.

- For the "X" value in the part number, use "3" for .003", "5" for .005", "6" for .006", "10" for .010", "14" for .014" thickness
- All tapes are standard 36 yards. 18 yard rolls are available.
- .003" Dielectric S = 5 kV / A = 4.5 kV; .005" Dielectric S = 7.5 kV / A = 7 kV; .006" Dielectric S = 8.5 kV / A = 8.5 kV; .010" Dielectric S = 9.5 kV / A = 9 kV. (S = silicone / A = Acrylic).
- Tensile Strength Warp/Fill (lbs/in): .003" = 95/55; .005" = 140/130; .006" = 150/115; .010" = 325/235
- Tear Strength Warp/Fill (lbs/in): .003" = 1.5/0.9; .005" = 2.2/1.7; .006" = 2.1/1.8; .010" = 7.5/4.0

The PTFE resin is applied to the base fabric in a hot process and under pressure, causing a total impregnation of the base fabric. The surface of the resin is smooth and it takes considerable and aggressive force to scratch the PTFE surface to remove it from the fabric with fingernail scraping.

Fiberglass Tape with PTFE Resin Impregnation, Non Adhesive
FDA Food Contact Approved
500°F / 260°C: Tuff-Flex™ High Temperature & Chemical Resistant with Smooth
Non-Stick Surface - Industrial Grade



- This tape is made by slitting our PTFE resin impregnated fiberglass fabric.
- Provides excellent chemical resistance and superior electrical insulation. Used as a low friction release tape for heat sealing and other packaging applications.
- Used on various machinery parts to provide a smooth stick-free surface such as on production line runners and guides for easy product and parts conveyance.
- Used as an electrical tape for high insulation and high temperature performance.
- Industrial Grade is a smooth surface with slight surface texturization (underlying fiberglass weave). Premium Grade is an exceptionally smooth surface with a higher PTFE content than Industrial Grade.
- Temperature range: -100°F to +500°F (-73°C to +260°C).

Tuff-Flex™ High Temperature, Heat & Chemical Resistant Fiberglass Tape with PTFE Resin Impregnation & Self Adhesive: Industrial Grade

Part Number	Width	
	in / mm	
T-FG-PTRI-FDA-I-M013-08-X	.5	13
T-FG-PTRI-FDA-I-M019-12-X	.75	19
T-FG-PTRI-FDA-I-M025-16-X	1.0	25
T-FG-PTRI-FDA-I-M032-20-X	1.25	32
T-FG-PTRI-FDA-I-M038-24-X	1.5	38
T-FG-PTRI-FDA-I-M051-32-X	2.0	51
T-FG-PTRI-FDA-I-M064-40-X	2.5	64
T-FG-PTRI-FDA-I-M076-48-X	3.0	76

Custom slitting available up to a maximum of 36 inches.

- For the "X" value in the part number, use "3" for .003, "5" for .005, "6" for .006, "10" for .010, "14" for .014
- Dielectric: .003" S = 5 kV / A = 5 kV; .005" S = 6 kV / A = 6 kV; .006" S = 8 kV / A = 8 kV; .010" S = 9.5 kV / A = 8.5 kV; .014" S = 10.5 kV / A = 9 kV (S = silicone / A = Acrylic).
- Tensile Strength Warp/Fill (lbs/in): .003" = 90/50; .005" = 135/120; .006" = 150/140; .010" = 250/155; .014" = 440/250
- Tear Strength Warp/Fill (lbs/in): .003" = 1.7/0.9; .005" = 2.3/1.5; .006" = 2.0/1.5; .010" = 4.9/3.0; .014" = 7.0/5.0
- Standard tapes are 36 yards. 18 yard rolls are available.

The PTFE resin is applied to the fabric in a hot process and under pressure, causing a total impregnation of the base fabric. The surface of the resin is smooth and it takes considerable and aggressive force to scratch the ptfе surface to remove it from the fabric with tool or fingernail scraping.